



Photo: Continental Avenue Bridge and Margaret Hunt Hill Bridge reflections
Pro photographer, Sean Fitzgerald



THE TRINITY
DALLAS

MARGARET HUNT HILL BRIDGE FACT SHEET

Opening March 2-4, 2012

Designed by world-renowned architect, engineer and artist, Santiago Calatrava, this beautiful steel bridge is a cable-stayed bridge, not a suspension bridge in construction terms. It is located just south of the Continental Avenue Bridge, and it spans the Trinity River and the Dallas Floodway. Once it is complete, the 400-foot arch with the twisting cables will be the new postcard view of Dallas. The bridge can be seen from all points of the compass and from as far away as Fort Worth, far North Dallas, Las Colinas, and Oak Cliff.

When it opens March 2-4, 2012, the Margaret Hunt Hill Bridge will be the new vehicular bridge to provide a seamless connection between Singleton Boulevard in West Dallas and Woodall Rodgers Freeway in the east. It will also be the first vehicular bridge in America designed by Santiago Calatrava. The Continental Avenue Bridge will then be transformed into a pedestrian enclave for walking, jogging, cycling, family outings, and city events and parties. It will be a party bridge open to the public!

Components of the bridge include:

- 58 cables attached to the center of the deck
- One 400 foot Arch Pylon comprised of 25 segments
- Type C Floor Beam 1 at the Arch Pylon
- Type B Floor Beam 116 pieces
- Type B Floor Beam Strut 116 pieces
- Support Bracket 2 pieces
- Central Box Girder 30 segments
- Exterior Box Girder 2 at 60 segments each

Other Facts:

1. *What does the bridge cost?*

\$120 million

2. *How many miles or acres do the bridge and the area around it cover?*

.366 miles / 6.0 acres

3. *What equipment is being used on site? What are some of the jobs the equipment is doing? Where did the company get the equipment? (Did they rent or purchase it and from whom?)*

Big construction equipment such as cranes, tractors, drill rig, drill shafts, front loaders, bulldozers and one 1,000-ton crane is being used to build the bridge.

4. *Are there any subcontractors or other contractors working on the project besides the main contractor?*

Answer: Texas Department of Transportation (TxDOT) and Williams Brothers Construction Company, Inc. are building the bridge and TxDOT along with their contractor, J. D. Abrams, L.P. Are building the new bridge approaches. Subs that have done work thus far are Mica doing electrical, Tx. Environmental for SW3P and VFC installing grounding wire. Also Indus Contractors tie steel for drill shafts, columns, caps, etc.

5. *What's the start date of the job? What is the completion date?*

Answer: Start 6/14/07 and the bridge opening festivities are March 2-4, 2012, with the bridge open to vehicular traffic after that weekend.

6. *How many workers are on the project? Are they working in shifts?*

Answer: 18-25 currently working days. This will increase to 24-hours a day later in the year.

7. *Cool fast facts:*

Arch span column (concrete portion) = 30 feet

Each arch span column features 250 cubic yards of concrete.
Each cubic yard = 3600 pounds
Total concrete per arch span column = 450 tons
Diameter of column = approximately 16 feet
Steel piece diameter = 14 feet 7 inches
Number of bolts per arch span column = at least 72
Bolt length = 16 feet each
Bolt weight (total) = 20,000 pounds

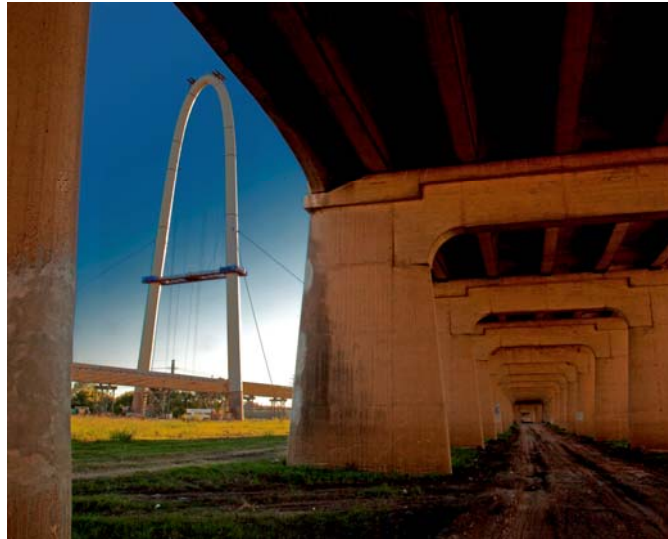


Photo: 2010 Trinity River Photo Contest, Amateur – Arthur Kapell

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